

Abstract

An computer fan assembly mechanism having filtering and sterilizing functions comprises a fan body. An air passageway is formed at a hollow portion in the fan body. The air passageway has an intake and an air vent, which corresponds to the fan, is located on the fan body. A photo-catalytic net is disposed at the intake. One or more UV-LEDs are disposed on the air passageway to illuminate the photo-catalytic net. Through illumination of the UV LED onto the photo-catalytic net, the object of filtering and sterilizing air passing the intake can be accomplished.